LAYING THE PACIFIC CABLE.

in nine months' time the much talked within these cores is utilized to hold of Pacific cable connecting Hawaii fresh water. The capacity of its tanks with the United States will have been in the regular cable ship is about laid, and before two years have passed 1,400 tons fo cable, this being the equivaway we shall be brought within easy alent of about 100 miles of inshore caspeaking distance of the Philippines. A ble, weighing fourteen tons to the company, composed of John W. Mackay, Clarence H. Mackay, Edward C. Platt, Albert Beck, George G. Ward, Albert B. Chandler and William W. out the project.

The cable will start from San Fran-Guam and the east coast of Luzon. When this stretch of cable, 6,912 miles in length, will have been laid, a telegraphic system encircling the entire it may be moved about the deck. globe will be completed. The estimated cost of the Pacific cable is \$10,000,000. The demands of the government from the company will be reduced rates and absolute control over the line in time of war. The stretching of an oceanic cable is a ponderous task.

of gutta percha, but occasionally of bottom of the sea. India rubber, to prevent the escape of electricity.

deep sea type has a sheathing of many small steel wires; then through several intermediate types the sheathticed, however, that the core is the return to port with a new cargo. same throughout.

ering machine, by which the gutta ippines. core. The bituminous compound is applied by the cable being passed under a spout from which the melted comcoiled in large circular iron tanks, in which it is kept under water.

The rate of manufacture is unusually rabid, being for the deep-sea type more than five nautical miles (a nautical mile, 2,029 yards) per machine in 24 hours; and, as the manufacture is for a telegraphic submarine cable. carried on continuously day and night, with ten cable machines in operation all at once, it will be seen that from depth of about 3,200 fathoms. 50 to 55 nautical miles can be turned out every 24 hours.

The cable ship itself is a vessel of strange interior arrangement, especially designed for the purpose. It is not only a huge storage department, but a big floating workshop as well.

In the hold there are three immense fron tanks, similar to the land tanks, at the manufactory, 34 feet in diameter for the starage of the cable, each having a conical core for guiding the cable terms are largely responsible.

San Francisco, Cal.-(Special.)-With-, when it is being paid out. The space mile, or 700 miles of the deep sea type, weighin about two tons per mile.

"ways" or troughs, so that a tarnsfer Cook, has been incorporated to carry may be made from one tank to another or from any tank to either of the huge paying-out machines. Handcisco, lead to Honolulu, thence to ling of the cable made necessary by such transfer is usually done by means of a small engine connected to a drum,

As the cable is brought from the tank it passes over an iron sheave, fastened to the framework of the hatchway, thence around another larger, deeply grooved iron sheave, and the friction of the cable at this point acts as a tension. It then passes several times The cable itself consists, first, of a around the giant drums of the great core which comprises the conductor, dynamometer, over several pulleys on made of a strand of copper wires and the deck and out over the sheave of the insulating covering generally made the stern to its resting place at the

The dynamometer indicates the amount of strain to which the cable Then comes a layer of tanned jute is subject at any moment and also enyarn laid over the gutta percha to pro- ables the man in charge of the braketect it from the sheathing of steel wheel to regulate the strain put on by wires, over which come again jute yarn | the brake to suit the varying condiand a bituminous compound. The tions of laying. After leaving the dysheathing varies in type with the depth | namometer it passes under and over of the water in which it is laid. The several large retarding wheels before wending its sinuous way into the sea. When all the avalable cable has been laid the end is carefully sealed up and ing wires become gradually larger un- having been attached to a rope, is lowtil finally at the shore end the deep-set ered to the bed of the ocean. A buoy sheathed cable is again sheathed with is attached to the other end of the strands, each made up of three steel rope and is left floating on the surwires set triangularly. It will be no- face of the water until the ship can

On May 6, 189, the United States The copper wires for the conductor ship Nero began the survey to locate are twisted up together or stranded. a route for a cable from the United They are then passed through the cov- States across the Pacific to the Phil-

percha is squeezed round the conductor | Along this route an obstacle wa in a continuous envelope, touching it encountered in the nature of a subthroughout. The coil is then served marine abyss, the deepest yet known with jute yarns, which are laid spi- in the world. The abyss was named rally round it, forming an elastic, soft the Nero deep, and its depth makes it bedding for the sheathing wires. These necessary to deflect the direct route latter, as well as the outer serving and from the Midway islands to Guam. In compound, are put on in one machine. this low area the Nero, by means of The served coil passed through a hol- an extraordinary long sounding wire, row shaft of a circular skeleton frame- was enabled to take two of the deepest work of iron, on which are mounted casts and also two deepest water tembobbins, filled with steel wire or jute peratures ever recorded. The depths yarn, as the case may be. This frame- found were 5,160 fathoms and the other work can be rotated and the cable at 5,269 fathoms. The temperatures found the same time drawn along, the wires at these points registered 35.9 degrees or yarns are wound spirally round the and 36 degrees Fahrenheit respectively. Here is a description of the route beginning at Honolulu:

An ocean bed of almost level mud pound runs. The finished cable is then at a general depth of about 2,700 fathoms extends from Honolulu to the Midway islands on a route a little to the northward of the line of reefs running about west-northwest from the Hawaiian islands to a point beyond Ocean island. The plain affords an ideal route

> Beyond the Midway islands toward Guam is another great level plain at a

The remainder of the distance, howinterspersed with reefs and mountain ranges that required much time to explore and avoid.

In fifty years the words and phrases of the English language lexiconized under the letter "A" have increased from 7,000 in number to nearly 60,000. Science and invention requiring new

THESE MEN STOLE AN OKLAHOMA POSTOFFICE

Oklahoma City, O. T .- (Special.)-One of the strangest cases of alleged fraud developed in the history of the postoffice department has been brought to light through the instrumentality of Postoffice Inspector R. M. Hosford, Wichita, and F. A. Bebee of Oklahoma City. It is a story that is stranger ally. His own story of his killing of a burned like embers in the gloom. than fiction.

Bain, Kay county. He had a regular with. commission as such from the postoffice The cable tanks are all connected by department. He conspired with his brother, G. W. Burnett, who lived at Longwood, six miles distant, to get the postoffice at that place. But running country stores at Bain and Longwood, postoffices would help their business.

R. F. Burnett proposed to his brother to erase the initials in his commisand al lmounted on a truck by which sion and substitute G. W. instead, also to erase the word Bain and insert the word Longwood. It was a unique and daring proposition and the brothers fell in with it. They did the work so cleverly that when G. W. Burnett went to Postmaster G. H. Pellman at Longwood and told him that he had been appointed postmaster to succeed him. Mr. Pellman turned the office over to him without protest. He could not doubt that he had been removed in view of the commission Burnett showed him.

The postoffice was moved over to Burnett's store last June and has continued there ever since. After this bold stroke it was necessary to deceive the postoffice department at Washington. This was also accomplished by G. W. Burnett forging the name of George H. Pellman to all reports and correspondence with the department. The postoffice at Longwood continued to be run in this manner for several months, the department not knowing that Mr. Pellman had ceased to be postmasters.

To complicate matters R. F. Burnett appointed the Longwood usurper assistant postmaster at Bain and the usurper in turn appointed R. F. Burnett assistant postmaster at Longwood. After this they actually swapped postoffices, R. F. going to Longwood and G. W. going to Bain.

When Postmaster Pellman turned over the postoffice at Longwood Burnett ,the fraudulent appointee, he turned over with it all stamps, money orders, supplies and cash on hand. Burnett used these for his own ad-

The two brothers entered into a conspiracy to defraud on a larger scale. They ordered goods at Kansas City, Memphis and other wholesale centers and when the bills matured they placed money to the amount due in registered letters, sealed and mailed them riage to a certain sea captain in Penbefore witnesses. The envelopes, of course, would be rifled in the offices, and when they reached wholesale establishments in bad shape all that would be in them would be a note stating that the sum due was inclosed. In this way they committed considerable fraud.

At one time the Burnetts became of correspondence that give every reaalarmed over their own actions and son to hope that the real end will be skipped the country, going to the Cher- as in the story books, "and they lived okee nation, where they remained for happily ever afterward." several weeks. They soon ventured out again and resumed their offices sonal effects and at once go to Penand their old methods.

While they weer absent somebody she has learned to love through seeing is what first attracted the attention ever, while in general faily level, is of the department to their cases and ber of a good, solid, substantial family a place for her in a good family, where net fastened at the front of the bodice. caused the investigation that led to the above facts.

Both men were decoyed into Ponca City , where a confession is said to fine character, and practically all Rock have been obtained from them after being arrested. The confession is said to be a story of the most weird and wonderful details, containing some extraordinary romances. It is stated how the conspiracy was conceived and executed, how the commission of R. F. Burnett was changed in favor of G. W. Burnett, how freely the old postmaster gave up his office, and other indicents of the conspiracy.

The authorities say that no two of the innumerable postoffice frauds in the history of the department have been exactly alike and that this one is different from any crime heretofore committed. It was, in effect, they say, the theft of an entire postoffice.

FACTS FROM EVERYWHERE.

Nearly one-half of the students at switzerland's six universities last summer-1,990 out of 4,046-were foreigners. Sillicus-Why have you never married? Cynicus-I'm a high churchman and I have scruples against divorce.

More than forty guides have been insured free against accidents by the Swiss Alpine club at an annual cost of over 12,000 francs.

One out of every 49 deaths in Minnesota is due to accident or negligence, according to the report of vital statistics for 1894 to 1897 inclusive. The colored element constitutes in

Virginia nearly one-third of all males of voting age, and is composed almost wholly of persons of negro descent. A giant sequoia in the Mariposa, Cal., grove has been selected to be named William McKinley. It stands between

the Washington and Lincoln trees and

is estimated to be 3,000 years old. The consumption of sugar in the United States in 1899 was 2,094,610 tons. Nearly two million of these were imported. California yielded 72,944 tons of beet sugar and Louisiana most of

the rest. India was once in possession of a steel secret which is now lost. This was inlaying with gold of steel blades in such manner that the strength of the blade was not impaired nor its

temper lost. In England an electric automobile has recently run 94 3-4 miles on one charge. It carried four persons and the average speed was twelve miles an hour. The vehicle weighed 3,900 and the battery 2,200 pounds.

ROOSEVELT KILLED A BEAR.

grizzly is as thrilling a bit of genuine

Roosevelt, is as follows:

"At last, as I was thinking of turnslowly with his head down.

He was quartering to me, and I fired into his flank, the bullet, as I afterward found, ranging forward and piercing one lung. At the shot he uttered a loud, moaning grunt and then ing his lower jaw and going into the plunged forward at a heavy gallop, neck. while I raced obliquely down the hill to cut him off.

After going a few hundred feet he reached a laurel thicket, some thirty yards broad and two or three times as long, which he did not leave. I ran up to the edge and there halted, not liking to venture into the mass of twisted, close-growing stems and glossy foliage.

Moreover, as I halted I heard him utter a peculiar savage kind of whine from the heart of the brush. Accordingly, I began to skirt the edge, standing on tiptoe and gazing earnestly to see if I could not catch a glimpse of

rectly opposite and then wheeled and a mortal wound.

Hepzibah Dye of Rock Hill, S. C., 25

There is a romance attached to the

life of Miss Hepzibah Dye of this city,

which has been developing seven or

eight years and which is now about to

see a blissful climax in her happy mar-

sacola, Fla. She has never seen her

husband-elect, having been introduced

to him through the medium of an ad-

newspaper many years ago, and which

she answered as soon as she saw it.

The bride-to-be will sell out her per-

sacola to meet and marry the man

his letters. Miss Hepzibah is a mem-

of this section and has numerous rela-

tives living near this city. She is a

hard working, industrious woman of

six months ago. She is about 35 years

old, dresses well and is good looking.

Her brothers at one time owned much

The story of her romance is an in-

teresting one in several particulars.

Immediately after she had opened cor-

property in this section.

Hill knows, esteems and likes her.

miles from Charlotte:

THE ROMANCE OF HEPZIBAH.

Charlotte, N. C .- (Special.)-The fol- 1 good, solid, honest American dollars,

lowing romantic story is made public and he replied that he was a sea cap-

regarding the coming marriage of Miss tain, sailing out of Pensacola, had a

vertisement he inserted in an Atlanta about this point the correspondence

But he has shown a devotion and a te- died, and about six months ago her

nacity of purpose through these years (mother passed over the river. Miss

ceased.

the wedding.

in the other world:

her not to sell the home."

So she will reserve the house.

Calvary Methodist Episcopal church,

the largest church of that denomina-

marriage.

Theodore Roosevelt has a record as stood broadside to me on the hillside, a successful hunter of wild game that, a little above. He turned his head is certainly unique among Presidents, stiffly toward me; scarlet strings of if not among professional men gener- froth hung from his lips; his eyes

I held true, aiming behind the shoul-R. F. Burnett was postmaster at adventure as you are likely to meet der, and my bullet shattered the point or lower end of his heart, taking out It is told in his interesting volume, a big nick. Instantly the great bear "The Wilderness Hunter," published turned with a roar of fury and chalby G. P. Putnam's Sons, and forms a lenge, blowing the bloody foam from part of his account of a hunting expe- his mouth, so that I saw the gleam of dition through Idaho in the fall of his white fangs; and then he charged 1889. The story, as told by President straight at me, crashing and bounding in the tree tops, their houses serving through the laurel bushes so that it was hard to aim.

> ing toward camp, I stole up to the I waited until he came to a fallen crest of one of the ridges and looked tree, taking him as he topped it with over into a valley some sixty yards off. a ball which entered his chest and Immediately I caught the loom of some went through the cavity of his body, large, dark object, and another glance but he neither swerved nor flinched, showed me a big grizzly walking off and at the moment I did not know that I had struck him. He came steadily on, and in another

> > second was almost upon me. I fired for his forehead, but my bullet went low, entering his open mouth, smash-I leaped to one side almost as I

pulled the trigger, and through the hanging smoke the first thing I saw was his paw as he made a vicious side blow at me.

The rush of the charge carried him past. As he struck he lurched forward, leaving a pool of bright blood where his muzzle hit the ground; but he recovered himself and made two or three jumps onward, while I hurriedly jammed a couple of cartridges into the magazine, my rifle holding only four, all of which I had fired.

Then he tried to pull up, but as he did so his muscles seemed suddenly to give way, his head dropped and he When I was at the narrowest part rolled over like a shot rabbit. Each of the thicket he suddenly left it di- of my first three bullets had inflicted

good business and could well support a

wife. He ended by fervently express-

ing his passion, urging an immediate

Miss Hepzibah couldn't, or at least

didn't, resist the usual feminine pecu-

that she could not think of marrying

anyone as long as her father and

mother were alive. This seemed to

somewhat jar on his devotion, for at

Hepzibah reopened correspondence and

found her sea captain willing to launch

as she was ready to accompany him.

She consented, and he wrote her to

sell her property and come to Pensa-

cola—that he was so situated that he

could not come here to marry, and

she might await his homecoming and

-:- FRILLS OF FASHION.

Stockings matching the shoes and slippers are very fashionable.

built on piles. In the west are im-

mense houses in which many families

live, while in the east each separate family group lives in a separate house.

Some tribes build their villages in the

sea. As in the stone and bronze ages

of Europe, thousands of years ago,

when the dwellers by the Swiss lakes

lived over the water, so today in New

Guinea dwellings are built on piles,

with rickety platforms and unstable

log bridges from one marine house to

Papuan women are extremely tidy

about their houses, and it is a matter

of pride with them to keep the open

spaces in front spotlessly clean; to do

Certain hill tribes build their houses

A house in a tree would not seem a

very safe refuge, because it would be

so easy to cut down the tree and de-

stroy its inhabitants at one fell blow.

Until recently the Papuans had only

stone implements, and it takes time to

fell a tree with stone axes. In addi-

tion to this it is contrary to the eti-

quette of war of these people to cut

down a tree house, so they really are

houses of refuge. Tree houses are not

common, however, because the govern-

ment of British New Guinea has so

pacified the country that the hill and

mountain tribes are no longer warlike.

on narrow ridges of high hills, or dwell

otherwise were a disgrace.

as watch towers.

another.

A revival is predicted of black velret coats with collars and cuffs of ermine and sable.

Black net or mousseline de soie over black or white silk is a favorite combination for evening wear.

Buttons are immensely popular and a revival of an old fashion is the use of velvet covered buttons.

Large green onyx buttons set in cut steel are used for trimming some of the smart corduroy fal costumes, particularly in gray and green. Long fine silver chains are worn

again. They must be very fine to meet with fashion's approval and have one ingle unset gem of pended therefrom. Smal brooches of gun metal with

turquoise or diamond ornamentation are among some beautiful little pins in red and pink coral. For evening gowns for young girls

the small pompadour brocades and striped silks are charmingly appropriate. The new silks with either fine or coarse weaving show a most brilliant liarity of a negative answer. She wrote sheen. Ostrich tips in pale turquoise blue

or wild rose pink are included among the dainty ornaments for the hair, as are Louis XVI bows fashioned of tulle and gold tissue and combined with jeweled aigrettes or half wreaths of Soon afterward, however, her father roses, preferably Banksia or La France.

The one new lace which stands out very prominently among all the various kinds in use is the filet, a Breton specialty, which is sort of embroidery forth on the sea of matrimony as soon on a foundation of very fine fishnet made of very fine thread, and this has brought square meshed nets of all kinds into fashion.

An effective touch was given an evening gown of deep cream moussemade complaint against them, and that his advertisement, his photograph and that, should he be off on a trip at line de soie with incrustations of lace the time she arrived, he had prepared the same tint, by a large chou of black A swathed girdle of soft silk in the new mellow lemon tone completed the gown harmoniously.

It was Miss Hepzibah's intention to follow his instructions right away, sell-The latest thing in umbrella handles is enameled in white and it is the ing all the property, both real and perfashionable white frocks which are re-She has always lived at Rock Hill, at | sonal, but when her sister living in the old home place, at Wilson and St. Louis heard about it, she consulted sponsible for this fad. The design Black streets, and has lived there alone a spiritualist friend, who gave this may be the head of a swan or a white since the death of her mother about message from Miss Hepzibah's mother duck or perhaps an Angora cat with jeweled eyes. This fancy will bring ivory handles into vague again. "Give Hepzibah my love, and tell

A pretty novelty in jewelry is the flower pendant which is particularly smart, caught in a soft lace scarf. It consists of a gold knob holding two slender gold chains each ending in a flower of enamel. At the back of these are tiny gold hooks to secure them to the corsage some distance

THE SOUTH SEA ISLAND MEN.

respondence she and the captain ex- tion in New York City, raised \$70,000

changed photographs and the usual on last Sunday to clear off the church

honeyed sentences. She told him that mortgage. J. S. Huyler, the confection-

she could raise about one thousand er, contributed \$10,000 of the amount.

the British anthropological expedition extravagantly. However, the great to New Guinea, has come to America | majority of their dances are of a cereto deliver lectures. He tells of the monial nature, and among some tribes queer people who inhabit the islands they are held on supremely important to the south of the Philippines and occasions, as when a youth is initiated their peculiar customs.

very proud of their hair. It is black masks. and woolly, and the men dress it with | They have magical dances to make great care, and decorate it with ele- food abundant, and to make the du- Territory. gant combs and feathers. As among gong come to be harpooned. At these animals, it is the male Papuan who is decorated.

In Papuan villages young men, gorgeously got up with feather and shell sawfish. Some of the dances are in ornaments, strut about like turkey the nature of harvest festivals, and cocks, while the more sober appareled damsels gaze at them admiringly.

In the Mekeo district the extreme of fashion is reached by the young men by tight lacing. There the youths wear bands drawn about their waists so exinflated, until they bear the characteristic appearance of pouter pigeons.

riage their hair is cut off, taking away what little attraction they may have had. The shaven pate is, in most cases marriage.

onstrative and fairly intelligent people. They are fond of dancing, for Guinea homes are almost invariably seen in Georgia.

Dr. Alfred C. Haddon, the head of which pastime they array themselves into manhood. Some of the dances are The Papuans of New Guinea are performed by men wearing wonderful

> dances masks are worn, such as a crocodile's head combined with a human face, and above it the effigy of a to carry over the fertility of one season to another.

Important ceremonies are associated with death. Life after death is assured by means of dances performed by men who by gait and actions mimic retremely tight that the flesh oozes out | cently deceased persons. Women and between the circles of the belts in children believe these mummers to be prominent rings, and the chests seem the spirits of beloved relatives and are comforted. Women never participate in the secret dances where masks are Papuan women are much less orna- employed; some of the dances being mental than the men, and after mar- too secret for them to even witness. Among one tribe it is considered highly indelicate for men and women to dance together. Indeed, women rarely dance, the only outward and visible sign of although in another group of the Papuans boys and girls dance together, The Papuans are an excitable, dem- the male dancers beating the drums.

apart.

-:- TALK ABOUT WOMEN. -:-

The women college graduates of New York are to have a club house of their

Mrs. Maria Ferguson of Los Angeles, Cal., has issued the first Dawson City, Yukon and Alaska directory. The volume contains 900 pages and many valuable mining maps.

Miss Orro Eddelman,a young woman of Cherokee blood, owns and edits the Twin Territories, a thirty-two-page iiustrated magazine, whose contributors are residents of Oklahoma and Indian

Mrs. Stanford has returned to San Francisco after a journey to Egypt, where she purchased for the Stanford museum a remarkable private collection of Egyptian antiquities, treasured and supplemented during thirty-five years by a foreign resident of Cairo.

Miss Braddon, the English novelist, positively refuses to be photographed and only one picture of this prolific writer is known to be in existence. For some time past she has been content with writing one book a year, but in her younger days her annual output was at least two long novels.

Mrs. Maud Barker Cobb, who is now filling the office of postmaster of the Georgia house of representatives, is a candidate for the appointment as assistant state librarian and presents strong letters from judges, lawyers and other prominent men in all parts of the state. It is said that when she sought the postmastership last year she had such an array of influential On the mainland of British New indorsements as had never before been

WAS A GAY OLD BOY.

cal attorney is about to file a damage cause she is mad at me. We are not suit in the common pleas court at Lis- on speaking terms, but I am told by bon, which promises to create a big the neighbors that she makes a terrisensation. Mrs. Mary aJne Miller, aged ble fuss over Miller when I am out, 76, is to be the plaintiff in the action, and tells him that I am not the right and she proposes to bring Miss Belle match for him. He is foolish enough Lyons, a maiden woman, aged 74, to to think that she is 'sweet' on him, but account for an alleged alienation of her I have said all along that she just husband's affections.

All parties concerned in the case then give him the shake. " live at Calcutta, a country village four miles north of this city. Jacob Miller, refuses to support her, and says he has the husband of the woman bringing been spending his money for rings and the suit, is a prominent merchant in candy for Miss Lyons. She packed up his home town and is 79 years of age. her belongings today and came to this

Previous to turning her case over to city, declaring she would never return.

years been living in a house owned by over the affair. Miss Lyons, the latter occupying half the property. According to the wife's ways about her which are too much for the age dhusband to battle against. As a consequence, Mrs. Miller says, he has become fickle and careless.

During her conversation with the undertook to expostulate with Mr. Miller, in an effort to point out to him wherein he was doing wrong, he flared up in anger and told her to 'go to grass."

as good looking is more than I can tion is taken into custody.

East Liverpool, O .- (Special.)-A lo-, understand. She is egging him on bewants to get him away from me and

Mrs. Miller alleges that her husband

her attorney Mrs. Miller applied to The attorney who has charge of the Justice David McLane for counsel. She woman's case says he proposes to related a sad story of endurance, cov- bring suit against Miss Lyons for ering a period of two years, and ap- \$10,000. She is wealthy and prominent. pealed to him to right the wrong Miller si a deacon in a Calcutta church which, she said, is pulling hard at her and measures have already been taken to uost him. The community where Mr. and Mrs. Miller have for several the aged trio live is much wrought up

The Civic federation, whose industrinarrative, Miss Lyons has winning al department is to meet in New oYrk City on December 15 to discuss the relations between capital and labor, has among its members Cardinal Gibbons, Archbishop Ireland, Bishop Potter, Seth Low, Charles Francis Adams and presmagistrate Mrs. Miller said she had idents of a number of important mangiven up all hope of setting the exist- ufacturing and transportation compaing difficulty until the courts had been nies, Carroll D. Wright, Samuel Gomappealed to. She said the last time she pers, and the international presidents of nearly every trade union in the country.

Trenton, N. J., is another rough place for the cooing lovers. Not long ago the "I don't care so much for losing the residents of West State street called old man," she said, assuringly, "but to on the police to take action against think that he would give me up for a strollers, and now any man or woman young and giddy girl, who ain't half caught billing and cooing in that sec-